

10/024,347

DAE

CASE D0066 NP

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Stephen C. D'Amico
Type or print name

Signature

3-28-05
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

FEDER ET AL.

PATENT APPLICATION NO: 6,858,407 B2

ISSUED: FEBRUARY 22, 2005

FOR: NOVEL HUMAN LEUCINE-RICH REPEAT CONTAINING PROTEIN
EXPRESSED PREDOMINATELY IN SMALL INTESTINE, HLRRS11

Mail Stop: PGPUB
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION TO CORRECT PATENT TERM ADJUSTMENT PERIOD
IN GRANTED PATENT

Sir:


The granted patent erroneously lists the patent term adjustment period as 13 days. The Determination of Patent Term Adjustment under 35 U.S.C. 154(b) erroneously lists the patent term adjustment as 51 days. The patent term adjustment history from PAIR shows the USPTO Delay as 220 days and the Applicant Delay as 207 days. In response to the request for new drawings in the Notice of Allowance, mailed May 14, 2004 due to the original drawings being of low quality, applicant submitted a new set of drawings on June 14, 2004 using Express Mail. Patent Term Adjustment History has applicant delay of 120 days for Finished Drawings which applicant believes is incorrect. The USPTO delay was 220 days and the applicant delay was 87 days, therefore we request that the Patent Term Adjustment be re-adjusted to 120 days.

Enclosed is a copy of the cover page of the patent, copy of Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) received with the Notice of Allowance, copy of Image File Wrapper from PAIR and copy of Patent Term Adjustment History from PAIR for your convenience.

Applicant believes this error is ascribable to the Patent Office, applicant is requesting re-consideration of the patent term adjustment within two months of the date of the issued patent under §1.705(d). Accordingly, no fees are required. However, if this is incorrect, the Commissioner is hereby authorized to charge the \$200 fee under 37 CFR §1.18(e) and any additional fees that may be required to Deposit Account No. 19-3880 in the name of Bristol-Myers Squibb Company.

Respectfully submitted,

Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-5289



Stephen C. D'Amico
Agent for Applicants
Reg. No. 46,652

Date: 3-28-05



US006858407B2

00066-05-11 p

D'Amico

(12) United States Patent
Feder et al.**(11) Patent No.: US 6,858,407 B2**
(15) Date of Patent: Feb. 22, 2005**(54) HUMAN LEUCINE-RICH REPEAT
CONTAINING PROTEIN EXPRESSED
PREDOMINATELY IN SMALL INTESTINE,
HLRRSII****(75) Inventors: John N. Feder, Belle Mead, NJ (US);
Chandra S. Ramanathan, Wallingford,
CT (US); Gabriel A. Mintier,
Hightstown, NJ (US)****(73) Assignee: Bristol-Myers Squibb Company,
Princeton, NJ (US)****(*) Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 13 days.**(21) Appl. No.: 10/029,347****(22) Filed: Dec. 20, 2001****(65) Prior Publication Data**

US 2003/0017562 A1 Jan. 23, 2003

Related U.S. Application Data**(60)** Provisional application No. 60/257,774, filed on Dec. 22,
2000.**(51) Int. Cl.⁷ C12P 21/06; C12N 5/02;
C07H 21/04****(52) U.S. Cl. 435/69.1; 435/325; 435/252.33;
435/320.1; 530/350; 536/23.1; 536/23.5****(58) Field of Search 530/350; 435/252.3,
435/252.33, 325, 320.1, 69.1; 536/23.1,
23.5****(56) References Cited****U.S. PATENT DOCUMENTS**

6,500,938 B1 12/2002 Young et al. 536/23.1

FOREIGN PATENT DOCUMENTS

WO	WO0114564	3/2001
WO	WO 01/14564	3/2001
WO	WO 01/42288	6/2001
WO	WO 01/57182	8/2001
WO	WO 01/57188	8/2001
WO	WO0190304	11/2001
WO	WO0240668	5/2002
WO	WO02072757	9/2002

OTHER PUBLICATIONSBaldwin, Albert S., Jr., "The NF- κ B and I κ B Proteins: New
Discoveries and Insights", Annu. Rev. Immunol., vol. 14,
pp. 649-681 (1996).Rahman, Irfan, "Regulation of Nuclear Factor- κ B, Activator
Protein-1, and Glutathione Levels by Tumor Necrosis Fac-
tor- α and Dexamethasone in Alveolar Epithelial Cells",
Biochem. Pharmacology, vol. 60, pp 1041-1049 (2000).Brown, et al., "Mutual regulation of the transcriptional
activator NF- κ B and its inhibitor, I κ B-60", Proc. Natl.
Acad. Sci., vol. 90, pp. 2532-2536 (1993).Baeuerle, et al., "I κ B: A Specific Inhibitor of the NF- κ B
Transcription Factor", Science, vol. 242, pp. 540-546 (242).Baeuerle, et al., "Activation of DNA-Binding Activity in an
Apparently Cytoplasmic Precursor of the NF- κ B Transcrip-
tion Factor", Cell, vol. 53, pp. 211-217 (1988).Ganchi, et al., "I κ B/MAD-3 Masks the Nuclear Localiza-
tion Signal of NF- κ B p65 and Requires the Transactivation
Domain to Inhibit NF- κ B p65 DNA Binding", Molec. Biol.
Cell, vol. 3, pp. 1339-1352 (1992).Beg, et al., "The I κ B proteins: multifunctional regulators of
Rel/NF- κ B transcription factors", Genes & Develop., vol. 7,
pp. 2064-2070 (1993).Liou, et al., "Regulation of the NF- κ B/rel transcription
factor and I κ B inhibitor system", Current Opinion in Cell
Biol., vol. 5, pp. 477-487 (1993).

NCBI Entrez Accession No. gi:21264320.

Incyte EST ID: 1632960H1.

Tschopp, et al. (2003) Nature Reviews/Molecular Cell Biol-
ogy 4:95-104.

Grenier, et al. (2002) FEBS Letters 530:73-78.

NCBI Accession No. gi:28436366, Tschopp, et al., Feb. 20,
2003.NCBI Accession No. gi:21264320, Tschopp, et al., Apr. 6,
2003.NCBI Accession No. gi:20486364, NCBI Annotation
Project, May 13, 2002.NCBI Accession No. gi:19387136, Wang, et al., Aug. 12,
2002.NCBI Accession No. gi:13397120, Peyman, et al., Mar. 17,
2001.Database EMBL Online, Jan. 7, 1999, "Homo sapiens
Image:206t2740 3 similar to TR:Q63035 Vasopressin recep-
tor" Database accession No. AI344276, XP002230746
sequence.Bertin, et al. (2000) Cell Death and Differentiation
7:1273-1274.Wang, et al. (2002) J. of Biological Chemistry
277:29874-29880.**Primary Examiner**—Nashaat T. Nashed**(74) Attorney, Agent, or Firm**—Stephen C. D'Amico**(57) ABSTRACT**

The present invention provides novel polynucleotides encoding HLRRSII polypeptides, fragments and homologues thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides. The invention further relates to diagnostic and therapeutic methods for applying these novel HLRRSII polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides, particularly gastrointestinal diseases and/or disorders. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention.

13 Claims, 16 Drawing Sheets

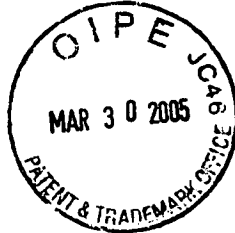


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/029,347	12/20/2001	John N. Feder	D0066 NP	5519

23914 7590 05/14/2004
STEPHEN B. DAVIS
BRISTOL-MYERS SQUIBB COMPANY
PATENT DEPARTMENT
P O BOX 4000
PRINCETON, NJ 08543-4000



EXAMINER

NASHED, NASHAAT T

ART UNIT PAPER NUMBER

1652

DATE MAILED: 05/14/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 51 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 51 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

PTA = 51 days

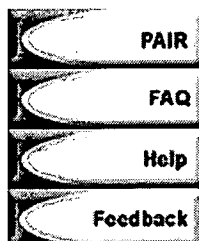
RC



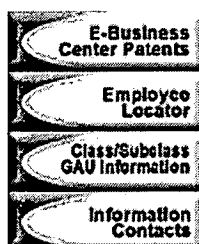
United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [FAQ](#) | [Glossary](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

PATENT APPLICATION INFORMATION RETRIEVAL



Other Links



Printer Friendly Version

Patent Term Adjustment (PTA) for application number: 10/029,347			
			Days
Filing or 371(c) Date:	12-20-2001	USPTO Delay (PTO):	220
Issue Date of Patent:	02-22-2005	Three Years:	-
Pre-Issue Petitions (days):	+0	Applicant Delay (APPL):	207
Post-Issue Petitions (days):	+0	Total PTA:	13
USPTO Adjustment (days):	+0	Explanation of Calculations	

Select Search Option

Assignments
 Continuity Data
 Display References
 File History
 Image File Wrapper
 Maintenance Fees - Retrieve fees to pay

Maintenance Fees Available: Mon-Fri 5:30 AM to Midnight, Sat-Sun-Hol. 7:30 AM to 8:00 PM E.T.

Patent Term Adjustment History			
Date	Contents Description	PTO (days)	APPL (days)
02-02-2005	PTA 36 Months	↑	
02-22-2005	Patent Issue Date Used in PTA Calculation	82	
01-21-2005	Receipt into Pubs	↑	
01-20-2005	Dispatch to FDC	↑	
01-20-2005	Application Is Considered Ready for Issue	↑	
01-20-2005	Workflow - Query Request - Finish	↑	
06-17-2004	Workflow - Drawings Finished	↑	120
08-02-2004	Issue Fee Payment Verified	↑	↑
01-17-2005	Receipt into Pubs		↑
10-15-2004	Workflow - Query Request - Begin		↑
09-29-2004	Workflow - Query Request - Begin		↑
08-31-2004	Receipt into Pubs		↑
08-27-2004	Sequence Forwarded to Pubs on Tape		↑
08-09-2004	Workflow - File Sent to Contractor		↑
08-09-2004	Workflow - File Sent to Contractor		↑
08-02-2004	Issue Fee Payment Received		↑
05-14-2004	Mail Notice of Allowance		↑

05-14-2004	Mail Formal Drawings Required		↑
05-13-2004	Issue Revision Completed		↑
05-13-2004	Formal Drawings Required		↑
05-13-2004	Notice of Allowance Data Verification Completed		↑
05-13-2004	Notice of Allowability		↑
04-29-2004	CRF Is Good Technically / Entered into Database		↑
04-20-2004	Information Disclosure Statement (IDS) Filed		↑
04-27-2004	Date Forwarded to Examiner		↑
04-20-2004	Response after Non-Final Action	87	
04-20-2004	Request for Extension of Time - Granted		↑
04-20-2004	Workflow incoming amendment IFW		↑
10-24-2003	Mail Non-Final Rejection		↑
10-24-2003	Non-Final Rejection		
10-01-2003	Date Forwarded to Examiner		
08-07-2003	Supplemental Response		
10-01-2003	Date Forwarded to Examiner		
08-07-2003	Response to Election / Restriction Filed		
08-07-2003	Information Disclosure Statement (IDS) Filed		↑
07-08-2003	Mail Restriction Requirement	138	↑
07-08-2003	Requirement for Restriction / Election	↑	↑
03-26-2003	Information Disclosure Statement (IDS) Filed	↑	↑
03-27-2002	Case Docketed to Examiner in GAU	↑	↑
03-15-2002	Application Dispatched from OIPE	↑	↑
03-14-2002	Application Is Now Complete	↑	↑
03-01-2002	Additional Application Filing Fees	↑	↑
03-01-2002	A statement by one or more inventors satisfying the requirement under 35 USC 115, Oath of the Applic	↑	↑
02-05-2002	Notice Mailed--Application Incomplete--Filing Date Assigned	↑	↑
01-23-2002	Error(s) in CRF Corrected by STIC	↑	↑
01-15-2002	IFW Scan & PACR Auto Security Review	↑	↑
12-20-2001	CRF Disk Has Been Received by Preexam / Group / PCT	↑	↑
12-20-2001	Initial Exam Team nn	↑	↑

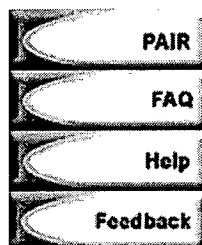
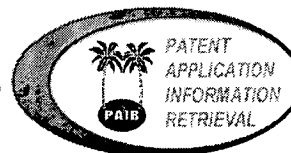
[|.HOME|INDEX|SEARCH|eBUSINESS|CONTACT US|PRIVACY STATEMENT](#)



United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [FAQ](#) | [Glossary](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

PATENT APPLICATION INFORMATION RETRIEVAL



Other Links

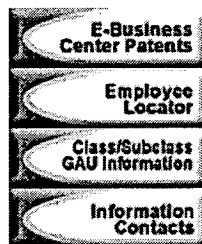


Image File Wrapper for Application No.:10/029,347

NET

This application is officially maintained in electronic form. To View: Click the desired Document Description, the desired document(s) and click Download.

Mail Room Date	Document Description	Document Category
09/28/2004	Specification	PROSECUTION
09/28/2004	Printer Rush Response	PROSECUTION
08/02/2004	Issue Fee Payment Recorded	PROSECUTION
06/17/2004	Drawings	PROSECUTION
06/17/2004	Miscellaneous Incoming Letter	PROSECUTION
06/14/2004	Miscellaneous Incoming Letter	PROSECUTION
06/14/2004	Drawings	PROSECUTION
05/14/2004	Search info on File Wrapper	PROSECUTION
05/14/2004	Notice of Allowance	PROSECUTION
05/14/2004	Notice of Allowance	PROSECUTION
05/14/2004	List of References cited by Applicant	PROSECUTION
05/14/2004	Claims recorded on File Wrapper	PROSECUTION
05/14/2004	Issue Information on File Wrapper	PROSECUTION
05/10/2004	Examiner Search Notes	PROSECUTION
04/28/2004	Fee Worksheet (PTO-875)	PROSECUTION
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	Information Disclosure Statement	PROSECUTION
04/20/2004	Authorization from Applicant to Treat All Replies as Incorporating an Extension of Time	PROSECUTION
04/20/2004	Sequence List	PROSECUTION
04/20/2004	CRF Statement received from Applicant - Paper	PROSECUTION

	and CRF are the same	
04/20/2004	Applicant Arguments or Remarks Made in an Amendment	PROSECUTION
04/20/2004	Claim	PROSECUTION
04/20/2004	Specification	PROSECUTION
04/20/2004	Amendment	PROSECUTION
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
04/20/2004	NPL Documents	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	NPL Documents	PRIOR ART
10/24/2003	NPL Documents	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/24/2003	Non-Final Rejection	PROSECUTION
10/24/2003	Search info on File Wrapper	PRIOR ART
10/24/2003	Claims recorded on File Wrapper	PRIOR ART
10/24/2003	List of References cited by Applicant	PRIOR ART
10/24/2003	Foreign Reference	PRIOR ART
10/14/2003	Examiner Search Notes	PROSECUTION
10/04/2003	Examiner Search Notes	PROSECUTION
08/07/2003	Foreign Reference	PRIOR ART
08/07/2003	Response to Election/Restriction Filed	PROSECUTION
08/07/2003	Preliminary Amendment	PROSECUTION

08/07/2003	<u>Claim</u>	PROSECUTION
08/07/2003	<u>Applicant Arguments or Remarks Made in an Amendment</u>	PROSECUTION
08/07/2003	<u>Information Disclosure Statement</u>	PROSECUTION
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>NPL Documents</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
08/07/2003	<u>Foreign Reference</u>	PRIOR ART
07/08/2003	<u>Requirement for Restriction/Election</u>	PROSECUTION
03/26/2003	<u>Information Disclosure Statement</u>	PROSECUTION
03/26/2003	<u>NPL Documents</u>	PRIOR ART
03/26/2003	<u>NPL Documents</u>	PRIOR ART
03/26/2003	<u>NPL Documents</u>	PRIOR ART
03/26/2003	<u>NPL Documents</u>	PRIOR ART
02/05/2002	<u>Miscellaneous Action with SSP</u>	PROSECUTION
01/22/2002	<u>CRF Sequence Listing Filed</u>	PROSECUTION
01/15/2002	<u>CRF Sequence Listing Filed</u>	PROSECUTION
01/03/2002	<u>Miscellaneous Incoming Letter</u>	PROSECUTION
01/03/2002	<u>Oath or Declaration filed</u>	PROSECUTION
12/20/2001	<u>Transmittal of New Application</u>	PROSECUTION
12/20/2001	<u>Miscellaneous Incoming Letter</u>	AS FILED
12/20/2001	<u>Sequence List</u>	AS FILED
12/20/2001	<u>Oath or Declaration filed</u>	AS FILED

12/20/2001	<u>Drawings</u>	AS FILED
12/20/2001	<u>Abstract</u>	AS FILED
12/20/2001	<u>Claim</u>	AS FILED
12/20/2001	<u>Specification</u>	AS FILED
12/20/2001	<u>Transmittal of New Application</u>	AS FILED
12/20/2001	<u>Claims recorded on File Wrapper</u>	PROSECUTION
12/20/2001	<u>Issue Information on File Wrapper</u>	PROSECUTION
12/20/2001	<u>Sequence List</u>	PROSECUTION
12/20/2001	<u>Claims Worksheet (PTO-2022)</u>	PROSECUTION
12/20/2001	<u>Fee Worksheet (PTO-875)</u>	PROSECUTION
12/20/2001	<u>Fee Worksheet (PTO-875)</u>	PROSECUTION
12/20/2001	<u>Oath or Declaration filed</u>	PROSECUTION
12/20/2001	<u>Drawings</u>	PROSECUTION
12/20/2001	<u>Abstract</u>	PROSECUTION
12/20/2001	<u>Claim</u>	PROSECUTION
12/20/2001	<u>Specification</u>	PROSECUTION
12/20/2001	<u>CRF Sequence Listing Filed</u>	PROSECUTION

Sorted By : Mail Room Date

[|.HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)